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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,066	12/01/2003	Cheng-Hui Yang	YANG3160/EM	1738

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EXAMINER

NGUYEN, KHAI MINH

ART UNIT	PAPER NUMBER
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2617

DATE MAILED: 06/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/724,066	YANG ET AL.	
	Examiner	Art Unit	
	Khai M. Nguyen	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 April 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 4/13/2006 have been fully considered but they are not persuasive.

Regarding the Toyoshima reference, applicant states that Toyoshima fails to disclose or suggest a device having a "control chip", as claim, that server to: control a flash memory controller and link a host to a wireless networks so that the host can communicate with the wireless network.

In contract to applicant's assertions, the examiner directs the applicant to Toyoshima (U.S.Pub-20020082048). Toyoshima (U.S.Pub-20020082048) clear disclose a device having a "control chip" (fig.2, baseband signal processor 150, paragraph 0026, the transceiver circuit 115 is made up of a duplexer 120, a transmitter 130, and a receiver 140 connected therein. The transmitter 120 and receiver 140 of the transceiver circuit are connected to a baseband signal processor circuit 150. The baseband signal processor circuit 150 is connected to a microprocessor 170, which are in turn connected to memories (160) and to an interface input/output (I/O) 180. A host or peripheral unit/device is also used to connect to the wireless module 100 via interface I/O (180)), as claim, that server to: control a flash memory controller (fig.2, paragraph 0027-0030, the baseband signal processor 150 also includes a modulation/demodulation (hereinafter "modulation") unit (not shown) connected to a data transfer unit. The modulation unit converts the received signals to a baseband signal and supplies the demodulated baseband signal to the data transfer unit where data packets can be

extracted, e.g., an audio signal, a video signal, and control signals, from the received signals. The data transfer unit also sends the extracted data packets to microprocessor 170. When the host transmits signals containing data packets, the modulation unit converts the data packets into transmission signals which are sent to data transfer unit and to the transmitter or receiver) and link a host to a wireless networks so that the host can communicate with the wireless network (fig.1, 3, abstract, paragraph 0033).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by
Toyoshima (U.S.Pub-20020082048).

Regarding claim 1, Toyoshima teaches a pen drive for connecting to a wireless wide bandwidth local network (fig.2-3), comprising:

a USB interface (fig.2-3, paragraph 0035);

at least one flash memory (fig.1-2, memories 160), having an initialization program for a wireless wide bandwidth local network module (fig.1-2, paragraph 0004, 0010);

a flash memory controller (fig.1-2, baseband signal processor 150);

a control chip (fig.1-2, micro processor 170, paragraph 0026-0027), for controlling exchange of commands and instructions between said pen drive and a host (fig.1-2, abstract, paragraph 0004, 0026), for managing said flash memory controller and said wireless wide bandwidth local network module (paragraph 0026-0027), and also for controlling initialization of said wireless wide bandwidth local network module (paragraph 0010, 0026-0027), said control chip being arranged to control said flash memory controller to enable said host to save/retrieve data or commands to/from said flash memory (fig.1-2, abstract, paragraph 0010, 0029);

a wireless wide bandwidth local network module (fig.2-3, paragraph 0032-0033), electrically connected to said host by said USB interface (paragraph 0035), for enabling to process a wireless network protocol to convert a digital protocol data signal into an analog protocol data signal (paragraph 0028-0029); and

an antenna module (fig.2-3, element 110), for receiving or transmitting said analog protocol data signal (paragraph 0027-0028), wherein when said drive connects to said host through said USB interface (paragraph 0035), said host saves/retrieves data or commands to/from said flash memory (paragraph 0036-0037) and also links to said wireless wide bandwidth local network through said wireless wide bandwidth local network module and said antenna module (fig.2-3, paragraph 0032-0033).

Regarding claim 2, Toyoshima teaches the pen drive for connecting to a wireless wide bandwidth local network according to claim 1, wherein said host is a notebook computer (paragraph 0027).

Regarding claim 3, Toyoshima teaches the pen drive for connecting to a wireless wide bandwidth local network according to claim 1, wherein said wireless network protocol is a WAP (paragraph 0028).

Regarding claim 4, Toyoshima teaches the pen drive for connecting to a wireless wide bandwidth local network according to claim 1, wherein said control chip is a 8051 single chip (*chipset 8051 used standard of USB flash drive controller*), having a driving program burned or recorded therein (paragraph 0036-0037), so that when the pen drive connects to the host (fig.2-3, paragraph 0032-0033), the control chip controls the flash memory controller according to the command of the host to save/retrieve data (commands) to/from the flash memory (fig.2-3, paragraph 0032-0033, 0037).

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khai M. Nguyen whose telephone number is 571.272.7923. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571.272.7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Khai Nguyen
Au: 2617

6/10/2006


GEORGE ENG
SUPERVISORY PATENT EXAMINER